

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Nicolas C. Rivron;

Confirmation No.

8584

Paul V. Trescony;

Michael F. Wolf

Serial No .:

10/656,855

Filed:

September 4, 2003

Customer No.:

28863

Examiner:

Unknown

Group Art Unit:

3738

Docket No.:

1023-271US02

Title:

IMPLANTABLE MEDICAL DEVICES HAVING RECESSES

CERTIFICATE UNDER 37 CFR 1.8: I hereby certify that this correspondence is being deposited with the United States Post Service, as First Class Mail, in an envelope addressed to: Commissioner for Patents, Alexandria, VA 22313-1450 on

April 8, 2004.

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents Alexandria, VA 22313-1450

Dear Sir:

Applicant submits the references listed on the attached form PTO-1449. This statement is being filed, to the best of Applicant's knowledge, before the receipt of a first Office Action on the merits.

Applicants have enclosed a copy of each article cited and each foreign document cited. Copies of the U.S. patents are not enclosed as this application was filed after June 30, 2003.

Respectfully submitted,

Shumaker & Sieffert, P.A.

8425 Seasons Parkway, Suite 105

8 April 2006

St. Paul, Minnesota 55125 Phone: (651) 735-1100

Fax: (651) 735-1102

By: Daniel J. Hanson Reg. No. 46,757

Dooket Number: **Application Number:** Form 1449* 6023-271US02 10/656,855 INFORMATION DISCLOSING Applicant: **STATEMENT** Nicolas Rivron; Paul Trescony; Michael F. Wolf IN AN APPLICATION Filing Date: Group Art Unit: 3738 (Use several sheets if necessary) September 4, 2003 Examiner Name: Unknown U.S. PATENT DOCUMENTS Issue/Document Name Filing Date If **Document Number** Examiner Appropriate **Publication Date** Initial 12/04/1979 Okita 4,177,334 Yannas et al. 4,418,691 12/06/1983 4,553,272 11/19/1985 Mears 4,804,382 02/14/1989 Turina et al. Williams et al. 4,820,626 04/11/1989 4,960,423 10/02/1990 Smith 07/30/1991 Alchas et al. 5,035,708 5,171,261 12/15/1992 Noishiki et al. 5,230,693 07/27/1993 Williams et al. 5,376,118 12/27/1994 Kaplan et al. 5,387,236 02/07/1995 Noishiki et al. FOREIGN PATENT DOCUMENTS Translation Examiner **Document Number** Publication Country Date Yes Initial 93/18214 09/16/1993 **PCT** 12/28/1994 **EPO** 0 630 432 0 790 042 A2 08/20/1997 **EPO** OTHER DOCUMENTS (Including Authors, Title of Item, Page(s), Vol/Issue No., Publisher, Place of Publication) Ballermann, B.J. and Ott, M.J., "Adhesion and differentiation of endothelial cells by exposure to chronic shear stress: a vascular graft model," Blood Purif. 13(3-4):125-34 (1995).Deutsch, M., Fischlein, Meinhart J.G., and Zilla, P., "In Vitro Endothelialization of Sympathetic Vascular Grafts in Long Term Clinical Use," Tissue Engineering of Vascular Prosthetic Grafts. Zilla, P. and Greisler, H.P., eds. pp. 189-194, R.G. Landes Company, 1999. Herring, M., Dilley, R., Jerslid, R., Boxer, L., Gardner, A., and Glover, J., "Seeding arterial prosthesis with vascular enothelium, The nature of the libing," Ann Surg. 190:84-90, 1979. Date Considered **EXAMINER** *Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in

Based on Form PTO-FB-A820 (Also form PTO-1449)

conformance and not considered. Include copy of this form with next communication to applicant.

Form 1449*		Docket Number:		Application Number:							
INFORMATION DISCLOSURE		1023-271US02 10/656,855									
STATEMENT		Applicant:									
IN AN APPLICATION		Nicolas Rivron; Paul Trescony; Michael F. Wolf Filing Date: Group Art Unit:									
(Use several sheets if necessary)		1 5		3738	Art Unit:						
(Use severa	ii sneets ii necessary)	September 4, 2003 3738 Examiner Name:									
		Unknown									
U.S. PATENT DOCUMENTS											
Examiner Initial	Document Number	Issue/Document Publication Date	Name		Filing Date If Appropriate						
	5,433,909	07/18/1995	Mortakos et al.								
	5,437,900	08/01/1995	Kuzowski								
	5,462,781	10/31/1995	Zukowski								
	5,474,824	12/12/1995	Mortakos et al.								
	5,628,781	05/13/1997	Williams et al.								
	5,634,879	06/03/1997	Mueller-Glauser et								
, , ,	5,653,745	08/05/1997	Trescony et al.								
-	5,744,515	04/28/1998	Clapper								
	5,879,383	03/09/1999	Bruchman et al.								
	5,861,033	01/19/1999	Mortakos et al.								
	5,925,074	07/20/1999	Gringas et al.								
	6,352,555	03/05/2002	Dzau et al.								
	6,517,571	02/11/2003	Brauker et al.								
	6,579,313	06/17/2003	Dzau et al.								
		FOREIGN PA	TENT DOCUMENTS								
Examiner	Document Number	Publication	Country		Translation						
Initial		Date			Yes	No					
OTHER D	OCUMENTS (Includin	Authors, Title of I	 Item, Page(s), Vol/Issue	No., Publisher, Plac	ce of Public	cation)					
						·					
	Dardik, A., Liu, A., and Ballermann, B., "Chronic in vitro shear stress stimulates endothelial cell retention on prosthetic vascular grafts and reduces subsequent in vivo										
	neointimal thickness," J Vasc Surg. 29(1):157-167 (1999).										
	Giudiceandrea A., Seifalian, A.M., Krijgsman, B., and Hamilton, G., "Effect of porlonge										
	pulsatile shear stress in vitro on endothelial cell seeded PTFE and compliant polyurethane										
	vascular grafts," Eur J Vasc Endovasc Surg. 15(2):147-54 (1998).										
	Miyata, T., Conte, M.S., Trodel, L.A., Mason, D., Whittemore, A.D., and Birinyi, L,K.,										
	"Delayed exposure to pulsatile shear stress improves retention of human saphenous vein										
		grafts," J Sur Res. 50									
EXAMINER			Date Considered								
			s in conformance with MPEP		citation if no	ot in					
Conformance an	u not considered. Incidde C	opy or this form with hex	tt communication to applicant								

Based on Form PTO-FB-A820 (Also form PTO-1449)

Form 1449*		Docket Number:		Application Numl	her:				
FORM 1447"		1023-271US02		10/656,855					
INFORMATION DISCLOSURE STATEMENT		Applicant:							
		Nicolas Rivron; Paul Trescony; Michael F. Wolf							
IN AN APPLICATION				Group Art Unit:					
(Use several sheets if necessary)		-		3738					
		Examiner Name:							
		Unknown							
		U.S. PATEN	NT DOCUMENTS						
Examiner Initial	Document Number	Issue/Document Publication Date	Name Soukup, et al.		Filing Date If Appropriate				
	6,704,604	03/09/04							
		1							
					,,,				
		FOREIGN PA	TENT DOCUMENTS						
Examiner	Document Number	Publication	Country		Translation				
Initial		Date			Yes	No			
				- 181					
			<u> </u>			<u></u>			
OTHER D	OCUMENTS (Includin	ng Authors, Title of	Item, Page(s), Vol/Issue	No., Publisher, Plac	ce of Public	cation)			
	Meinhart, J.G., Deutsch, M., Fischlein, T., Howanietz, N., Froschl, A., Zilla, P., "Clinical								
	autologous in vitro endothelialization of 153 infrainguinal ePTFE grafts," Annals of								
	Thoracic Surgery, 71(5 Suppl.):S327-331, (2001).								
	Nerem, R.M., Alexander, R.W., Chappell, D.C., Medford, R.M., Varner S.E., and Taylor W.R., "The study of the influence of flow on vascular endothelial biology," Am J Med								
	Sci, 316(3):169-175 (1998).								
			near stress-conditione	d. endothelial cel	l-seeded				
	Ott, M. J, and Ballermann, B.J., "Shear stress-conditioned, endothelial cell-seeded vascular grafts: improved cell adherence in response to in vitro shear stress," Surgery.								
	117(3):334-339 (1995).								
	Ratcliffe, A., "Tissue engineering of vascular grafts," Matrix Bio. 19:353-357 (2000).								
Sank, A., Rostami, K., Weaver, F., Ertl, D., Yellin, Al, Nimni, M., And Tuan, T., "New									
	evidence and new hope concerning endothelial seeding of vascular grafts," Am J Surg.								
	164:199-204 (1992).								
			more, A.H "The use	of tubes constru	cted from				
Voorhees, A.B., Jaretzki, A., Blakemore, A.H., "The use of tubes constructed from Vinyon N cloth in bridging arterial defects." Ann Surg 135:332, 1952.									
Weinberg, C.B., and Bell, E., "A blood vessel model constructed from collagen and									
			231:397:400 (1986).						
EXAMINER			Date Considered						
WAR BITALL TWAT									
*Examiner: In	itial if reference considered.	whether or not citation i	s in conformance with MPEP	609: Draw line through	citation if no	ot in			

Conformance and not considered. Include copy of this form with next communication to applicant.

Based on Form PTO-FB-A820

(Also form PTO-1449)

Patent and Trademark Office, U.S. Department of Commerce